A study of the effect ...

8/080/63/036/002/015/019 D204/D307

of the effects of catalyst concentration, reactant ratio, time, stirring and temperature showed that optimum conditions are: catalyst \Rightarrow 5 mol%, $C_6H_{10}O:CH_3NO_2 = 3:1$, reaction time \Rightarrow 6 days, and temperature not above room temperature. Stirring exerts a beneficial effect. There are 5 figures and 1 table.

ASSOCIATION:

Kazanskiy khimiko-tekhnologicheskiy institut imeni S. M. Kirova (Kazan' Institute of Chemical Technolo-

gy imeni S. M. Kirov)

SUBMITTED:

December 2, 1961

Card 2/2

SHEMSHURIN, N.A.

Why Leninsk Cotton Mill no.l turns out low quality products. Tekst.prom. 14 no.10:12-15 0 '54. (MLRA 7:10)

1. Zamestitel' nachal'nika :ekhnicheskogo otdela Glavragotkhlopproma.

(Leninsk--Cotton manufacture) (Gotton manufacture--Leninsk)

RODICHEV, S.D.; MERKIN, I.B.; MILOKHOV, N.I.; POPELLO, A.P.; SOLOV'YEV, N.D.; SHEMSHURIN, N.A.; SORKIN, N.B., retsenzent; SMIRHOV, I.I., retsenzent; ANDREYEV, Yu.I., retsenzent; BRAVYY, Z.A., retsenzent; SOKOLOVA, V.Ye., red.; MEIVEDEV, L.Ya., tekhn.red.

[Handbook on the primary processing of cotton] Spravochnik po pervichnoi chrabotke khlopka. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po legkoi promyshl., 1959. 687 p. (MIRA 13:4) (Cotton gins and ginning)

CHAMMINGIN, N. A., Cend Tech Sci (diss) -- "Investigation of the residual fiber on cotton seeds". Tashkent, 1959. 21 pp (State Committee on Higher and Inter Spec Educ of the Council of Ministers Uzbek SSR, Tashkent Textile Inst), 150 copies (KL. No IC, 180, 182)

SHEADHRIN, B.A., inch.

Rasidual cottonseed linters and the ginning output. Tekst.prom.
19 no.4:19-22 Ap 159. (MIRA 12:6)

(Cotton gins and ginning)

SHEMSHURIN, N.A., Fund, teknn. Lett.

Effect of the moisture of raw cotton materials on the amount of defects and impurities in cotton fibers. Tekst. prom. 22 no.7:20-22 Jl '62. (MIRA 17:1)

1. Zamestitel' nachal'nika Gosudarstvennoy inspektaii po kachestvu tekstil'nogo, kozhevennogo i pushno-mekhovogo syr'ya.

More about the yield of notion filters. Tekst. prob. 24 no.3:82-84 for "64. (MEA 17:9)

1. Zamestitul" nachal'nika Gosudarstvennoy inspektsii po kuchastvu tokatil'nogo kozhevennogo i pushno-mekhovogo syr'ya.

"APPROVED FOR RELEASE: 08/23/2000 CIA-R

CIA-RDP86-00513R001549020016-3

L 07335-67 EWT(1) GW SOURCE CODE: UR/0413/66/000/007/0022/0022

AUTHORS: Kaplunov, A. I.; Veksler, B. Ye.; Volkhonskiy, V. M.; Rerennikov, V. S.; B. Shemshurin, S. V.

ORG: none

TITLE: Thermostabilized generator for a seismic core probe. Class 21, No. 180221

SOURCE: Izobreteniya, promyshlennyye otraztsy, tovarnyye znaki, no. 7, 1966, 22

TOPIC TAGS: seismologic instrument, electronic oscillator

ABSTRACT: This Author Certificate presents a thermostabilized generator for a seismic core probe. The tank circuit contains a ferrite trimmer and an induction coil placed on a ferrite core with a gap (see Fig. 1).

Fig. 1. 1 - induction coil; 2 - core; 3 - trimmer; 4 - gasket

To stabilize the generated frequency in a wide range of temperatures, the core gap has a height of 0.00 to 0.2 times the height of the core. A nonmagnetic ring gasket is placed between the outer to list of the core cups. Orig. art. has: 1 diagram.

AUTHOR: 'None given 5-3-14/37

TITLE: Chronicle of the Hydrogeological Section (Khronika gidrogeo-

logicheskoy sektsii)

PERIODICAL: Byulleten' Moskovskogo Obshchestva Ispytateley Prirody, Otdel

Geologicheskiy, 1957, No 3, pp 159-160 (USSR)

ABSTRACT: The following reports were delivered at the meeting of the

Hydrogeological Section, Moscow Society of Naturalists, from 14 February to 21 March 1957: I.G. Glukhov on "Loesses of Water Origin in Some Regions of Central Asia"; Yu.V. Mukhin on the "Influence of Natural Fluctuations of the Underground Water Level on the Discharge of Wells and Other Water Collectors"; V.A. Shemshurin on "Hydrogeological Calculation of the Underground Discharge of the Yakh-Su River (Central Asia) by Electric Survey Data"; V.7. Ivanov on "Vertical Hydrochemical Zonation in Regions of Active Volcanos"; B.P. Bulavin on "Problem of Loessial Soil Sagging in Connection with Observations on the Lower-Don Canal", and A.S. Ryabchenkov on the "Mineralogical and Petrographic Composition and Origin of

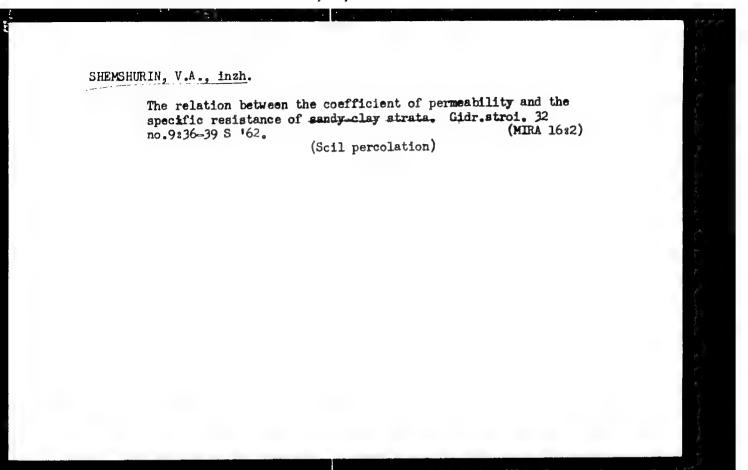
Loessial Rocks of the Donets Ridge".

AVAILABLE: Library of Congress

Card 1/1

SHEMSHURIN, Vladimir Andreyevich; BORUSHKO, T.I., red. izd-va; GUROVA, O.A., tekhn.red.

[Methodological handbook on prospecting with radio waves in searching for underground vaters in an arid zone]Metodicheskoe rukovodstvo po radiovolnovom zondirovaniiu (RVZ) pri razvedke podzemnykh vod v aridnoi zone. Moskva, Gosgeoltekhizdat, 1962. 45 p. (MIRA 15:10) (Electric prospecting) (Water, Underground)



SHEMSHURIN, V.A.; OGIL'VI, N.A., nauchn. red.; ZHARKOVA, A.P., tekhn. red.

[Survey of abstracts and bibliography on the use of geophysical methods in engineering geology and hydrogeology, based on material published between 1940-1959] Referativnyi obzor i bibliograficheskii ukazatel' primeneniia geofizicheskikh metodov v inzhenernoi geologii i gidrogeologii; po materialam, opublikovannym v pechati s 1940-1959 g. Moskva, 1962. 67 p. (MIRA 16:7)

OL'KHOVA, A., kand.arkhitektury; SHEMSHURINA, Ye., kand.arkhitektury

Houses and apartments in Caracas, capital of Venezuela, Zhil.
stroi. no.11:26-30 '58. (MIRA 12:6)

(Caracas-Apartment houses)

KHAL'FAL, Yu.A., inzh.; SHEMSHURINA, Ye.A., red.; MOGAN, F.L., tekhn. red.

[kear-engine automobiles; a survey] Avtomobili s zadnim raspolozheniem dvigatelia; obzor. Moskva, TSentr. in-t nauchno-tekhn. informatsii mashinostroeniia, 1962. 66 p. (Seriia XII: Avtomobilestroenie)

(NIRA 17:4)

Approximate Determination of the Natural Tangential Preparency of Vibration of Short Storm-Turbine Blades (In Resistant) A Z. Shortest Manuel Tangential Preparency of Vibration of Short Storm Turbine Blades (In Resistant) A Z. Shortest Manuel Tangential Preparency of Vibration of Short Storm Turbine Blades (In Resistant) A Z. Shortest Manuel Tangential Preparency and the Abstract Vibration of Short Storm Turbine Blades (In Resistant) Parts thus obtained are tabulated and sharted

correctly. The collection contains his reports which present the section of the section process and the section process and said the section of the section and said the section of the section of the section and said the section of the section and said the section of the section and said the section of the section and section the section of the secti STATE AND THE ST Contragration with the contragration of the contrag 1 Lag of a spirit state Bridias CONTRACTOR STATE OF STREET, ST Condition of feethful Sciences. Taking Into iffees on the Direction Withes in the Direction of States of States The Publication of the Middle Publication of the North Training M.M. Koren in the North State of the Middle Publication of the Middle Publication of the Institute of the North State of the North State of the Middle Publication of the Indonetry of the State of the Middle Publication of the Indonetry of the Middle State of the State of the Middle State of the State of grafi grafi calculation and experimental study of the Arthi-Pion Compressor nites of a Cabertes, Measurement of a-Chaponent Laboratory. Person-f this literatory M.M. Koren', Triction, technicians and workers mid. The last part contains arti-rearmitie, and test setups. At Praiting of Vibration the Wibrations of 222 193 ---169

SHEMTOV, A.Z., kand.tekhn.neuk

Measuring dynamic stresses in moving blades and other parts of turbines under operating conditions. [Trudy] IMZ no.6:169-19? '60.

(MIRA 13:12)

(Turbines)

SHEMTOV, A.Z., kand.tekhn.nauk

Taking into consideration the rigidity caused by fastening wires in calculating the bending and the tangential vibration within blading sections. [Trudy] IMZ no.6;222-231 '60. (MIRA 13:12)

(Bladen-Vibration)

5.3700(c)

5(3)

507/20 136 2 27/69

AUTHORS:

Titov, A. I., Lisitsyna, Ye. S., Shemtova, M. R.

TITLE:

Some Coservations Concerning the Chemistry of Ferricene

PERIODICAL:

Doktady Akademii nauk Sosa, 1960, Vol 130 Nr 2.

pp 541 - 343 (WS.A)

ABSTRACT:

The authors succeeded is producing ferricene in a yield amounting to $\pm 0\%$ of the theoretical one (Ref. 1) (see Experiment Nr. 1). The cobult-containing analog was produced in a very simple way as $(C_5H_5)_2Co^*Br_3^*$ (Experiment Nr. 2) while the ferrocene was transformed almost quantitatively into the ferricinium salt $(C_5H_5)_2Fe^*FeCl_A$ (Experiment Nr. 3)

The synthesis of 1.1 dunutroferrocene by the reaction of FeCl₂ with sodiumnitrosyclopentadienate was not possible

As is known ferrocene could not be nitrated (Refs 2,3), it was only transformed into ferrocinium cation. The authors observed that this process with diluted nitric acid is practically based on autocatalytic reaction with nitrogen disoxide (see Scheme). In the presence of hydracine, the oxidation nearly steps. An addition of urea acts weakly. Con-

Curd 1/4

Some Observations Concerning the Chemistry of Ferrocene SOV/20-150-2-27/69

sidering outer characteristics and the formation of iron cations the action of $\rm H\,10_3$ on the ferricinium cation leads

to transformation products of nitrocyclopentadiene. In the reaction of ferrocede with reagents introducing the nitroso group such as nitrosyltetrafluoroborate NO*BF $_A$, a radical-

like nitrogen exide is separated out. The interaction of ferrocene with the \mathtt{NO}_2^+ of various nitration agents in the

first stage must proceed in a similar way. Ferricinium cation also developed under the action of aluminum chloride solutions in through chloride in pheaph rus trichloride, and in phosphorus oxychloride on ferrocene, probably due to the reaction with cations of the type SOCL¹, PCL²- Considerable amounts

of sodiumnitrocyclopentadienate and (after treatment with water) iron hydroxides were formed by a 2-day action of ethyl nitrate in the presence of sodium ethylate or sodium tertiary butylate, solved in the corresponding alcohol. Without alcoholate, no reaction with ethyl nitrate occurred, even in acetic-acid anhydride. It is possible that the activate

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ing action of the alcoholate is based on its complex forma-

Some Observations Concerning the Chemistry of Ferrocene 507/20-130-2-27/69

tion with ferrocene due to the interaction with a cationoid Fe-atom (see Scheme), and on an increase in nucleophilic capacity of the ${\tt C_5H_5-radicals}_{\tt -}$ Thus, these radicals are adapted even more to the state of the $C_{\,\varsigma}H_{\,\varsigma}^{-}$ anion. As is known, a free cyclopentadienate ion reacts quickly under such circumstances to form a nitro derivative (Ref 4). The authors produced disulfonic acid in a yield up to 80% of the theoretical one by sulfonation of ferr,cene in aceticand anhydride at 0° for 2.5 h. Iron dations were, however, formed at the same time. The method of producing ferrocenal. dehyde worked out by the authors in 1957-58 proved to be more convenient than the methods described previously (Refs 8-11). Contrary to the assertions of reserence !1, ethereal solutions of ferrocenaldehyde yield a bisulfite compound. This was utilized in the authors' method Ferricinium cation developed in the reaction, and the ring was decomposed. The aldehyde was used to prepare several dyestuffs Finally, the authors describe their experiments Nrs 1-5. There are 14

Card 3/4

Some Observations Concerning the Chemistry of Ferrocene SOV/20-130-2-27/69

references. 3 of which are Soviet

ASSOCIATION: Gosudarstvennyy nauchno issledovatel skiy institut organicheskikh poluproduktov i krasiteley im. K. Ye. Voroshilova (State Scientific Research Institute of Organic Intermediates and Dyestuffs imeni K. Ye. Voroshilov)

PRESENTED: September 11, 1959, by A. N. Nesmeyanov, Academician

SUBMITTED: September 5, 1959

Card 4/4

IJP(c) EWT(m)/EWP(j)/T L 24516-66 UR/0413/66/000/005/0049/0049 ACC NR: AP6009525 (A) SOURCE CODE: Laptev, N. G.; Shemtova, M. R.; Tabachnikova, N. I.; Klimova, T. S. ORG: none Preparation of light-resistant, migration; resistant, and heat-resistant varnishes. Class .22, No. 17840416 announced by the Scientific-Research Institute for Organic Semifinished Products and Dyes (Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley) Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, SOURCE: no. 5, 1966, 49 TOPIC TAGS: varnish, heat resistant varnish, light resistant varnish, migration resistant varnish ABSTRACT: An Author Certificate has been issued describing a method for obtaining light-resistant bmigration-resistant, and heat-resistant varnishes made with sulfonated linear quinacridone of To produce varnishes suitable for coating plastics, rubber, and film-forming compounds, the sulfonated linear quinacridone, either in the form of a water solution of the free acid or in the form of a water-soluble 667.636.44/46 UDC: Card 1/2

first, third, and eighth metal group, whereby the process is conducted in the presence of dispersion agents. [LD]			
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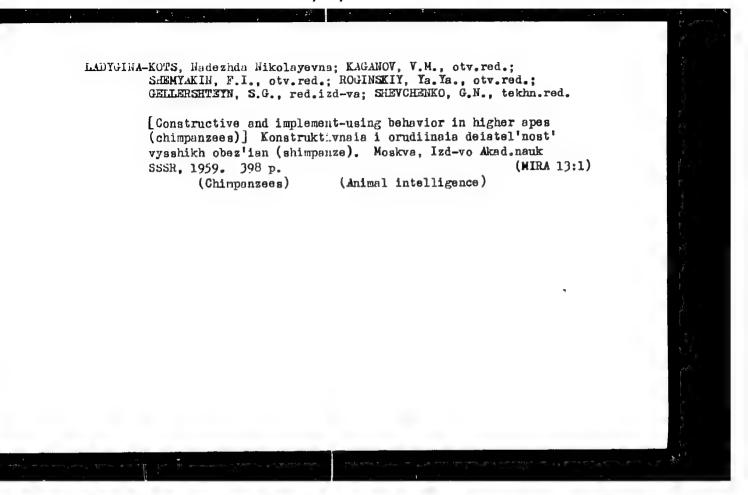
BUCHACHER, Ye.A.; NEYAGLOV, A.V.; POKHGDENKO, N.T.; SHEMYAKIN, A.A.

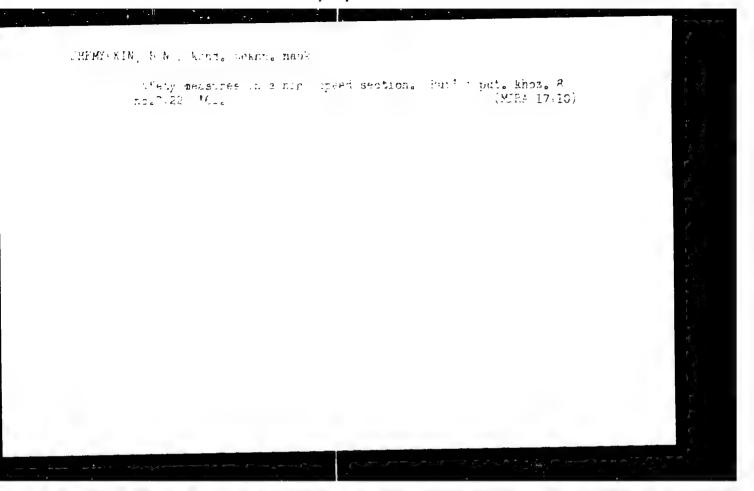
Improved bydraulic systems for the double end packing of centrifugal pumps. Mash. i neft. obor. no.4:7-10 '64. (MIRA 17:6)

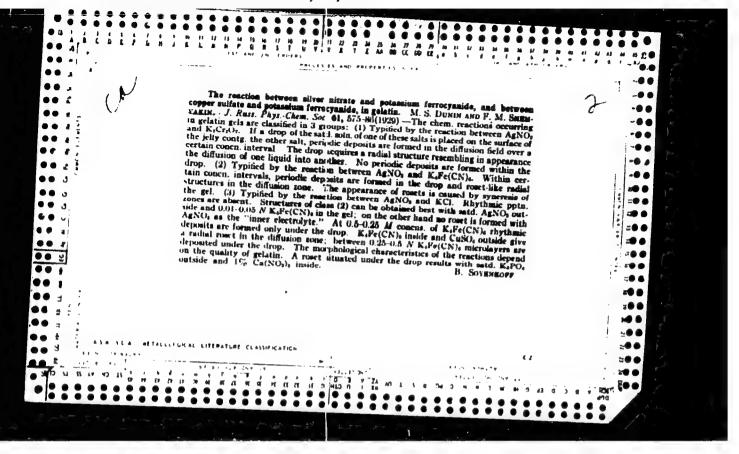
1. Bashkirskiy nauchno-issledovatel'skiy institut po p ererabotke nefti.

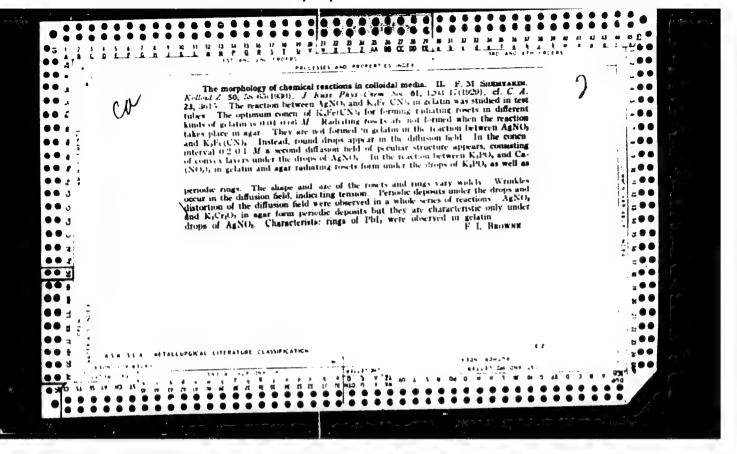
HUCHACHER, Ye.A., NEYAGLOV, A.V.; FORHODENKO, N.T.; SHEMYAKIN, A.A.

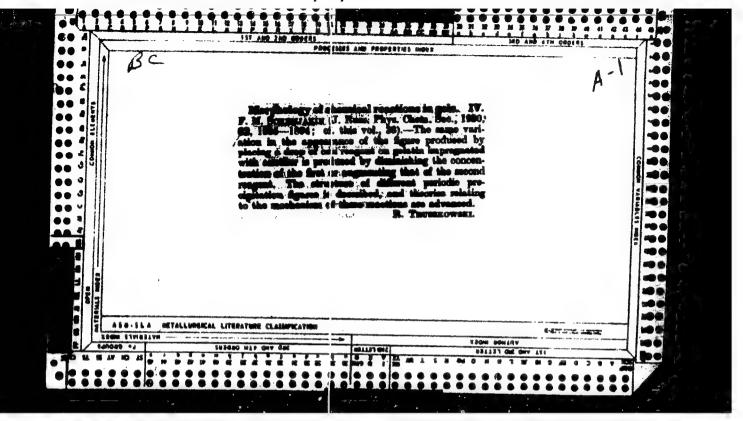
Hydraulic systems of double and packing for centrifugal
pumps. Trudy BasinII NP no.7:62-67 '64. (MIRA 17:9)

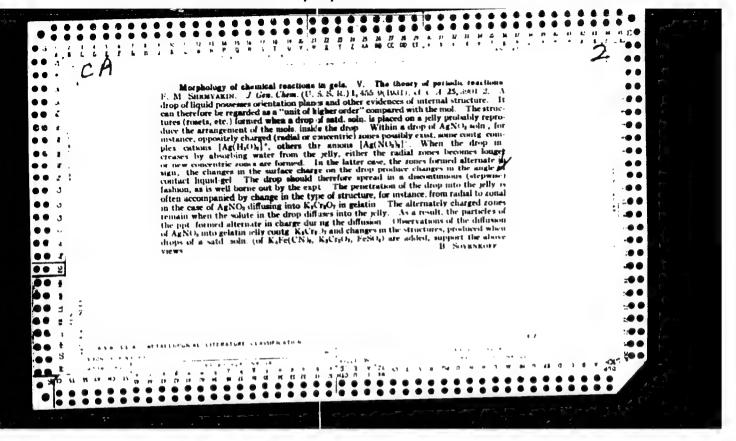


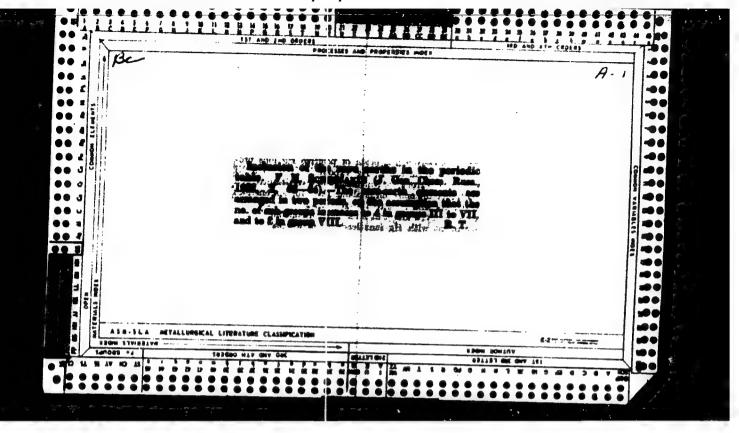


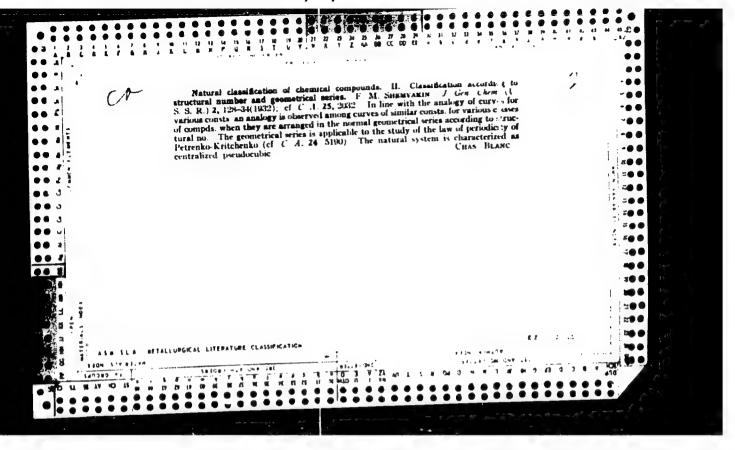


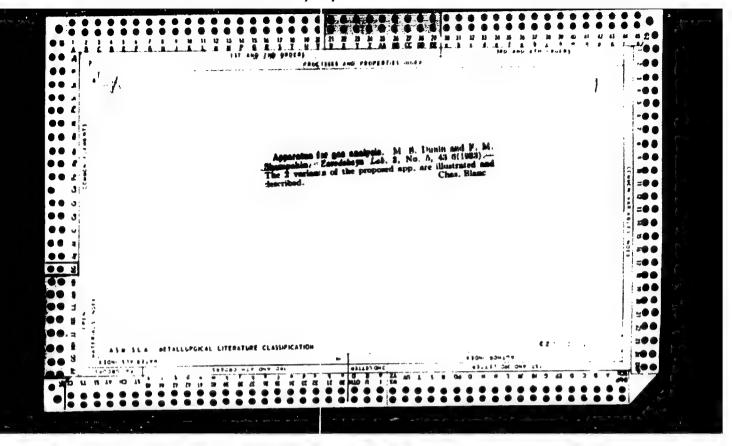


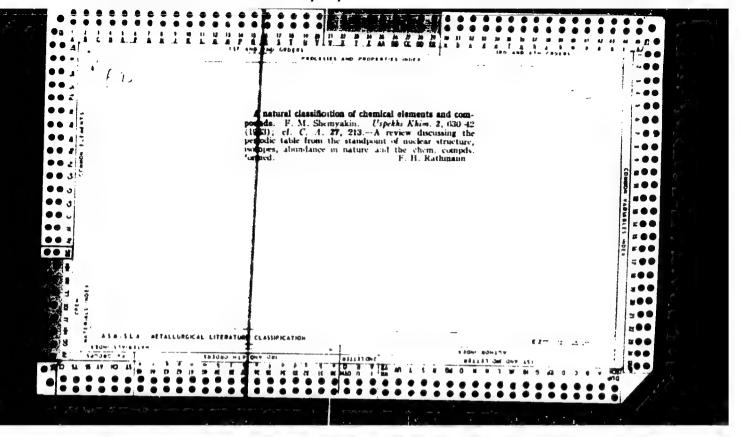


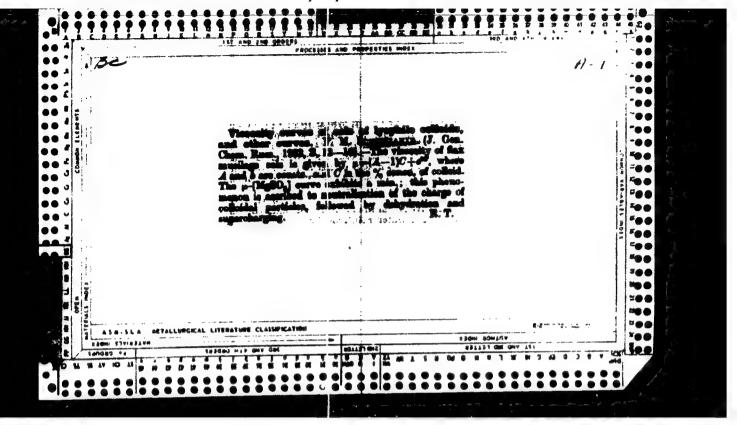


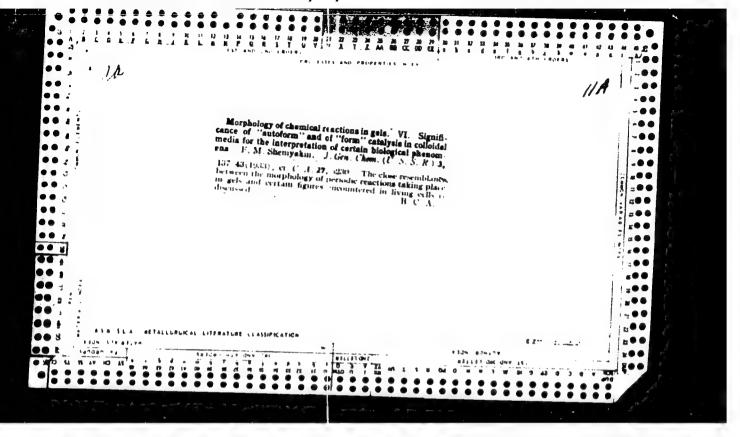


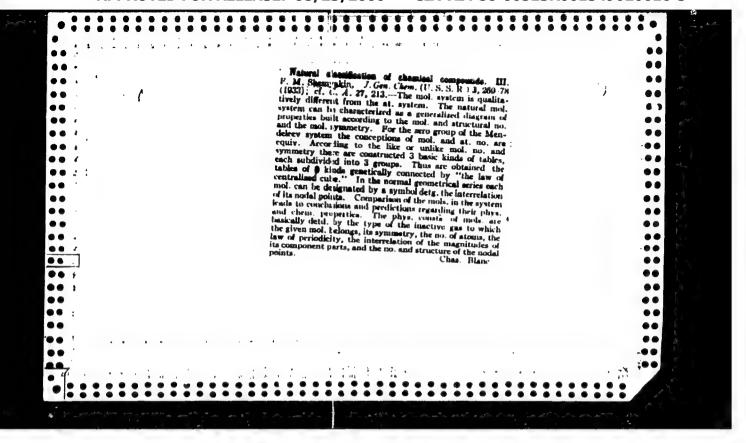


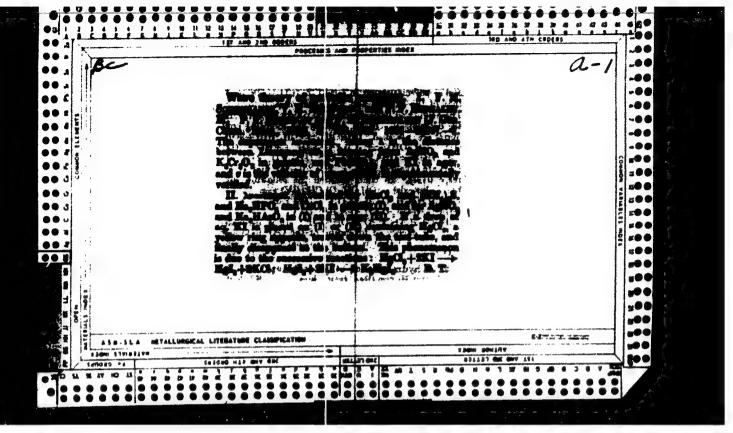


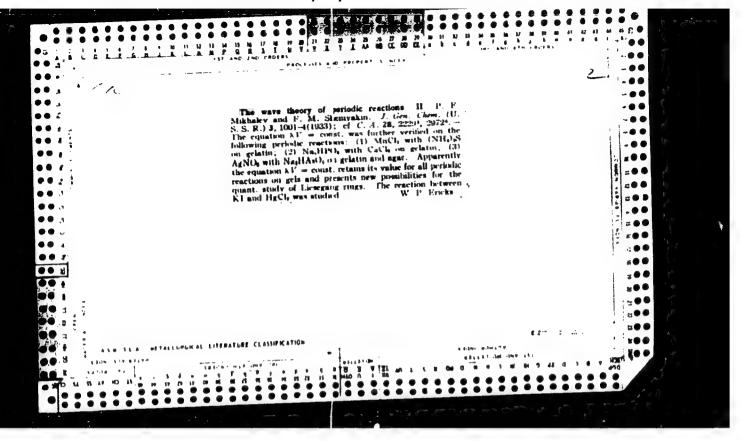


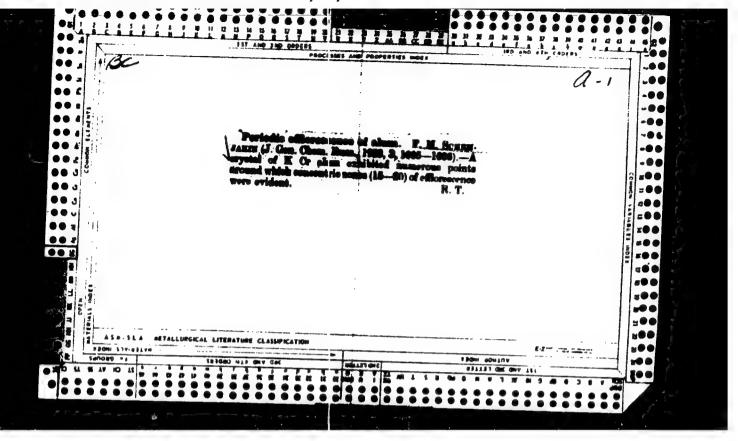


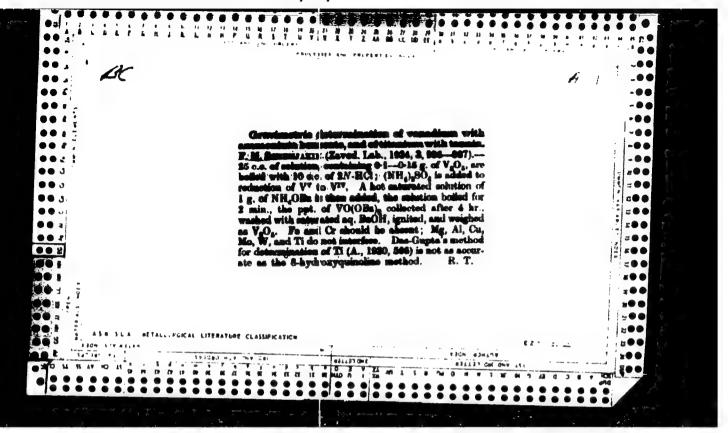


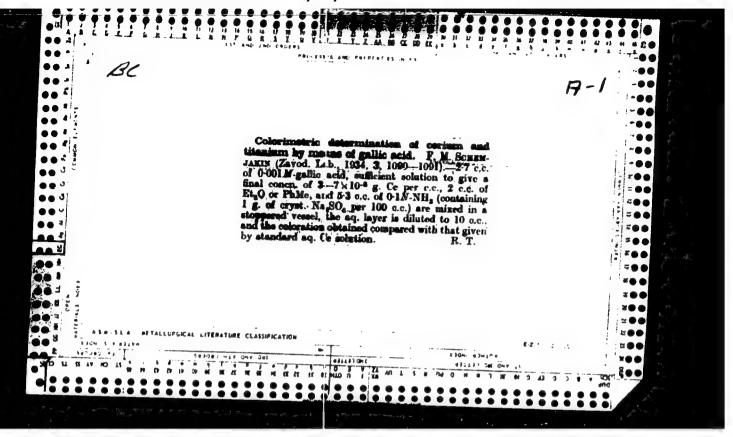


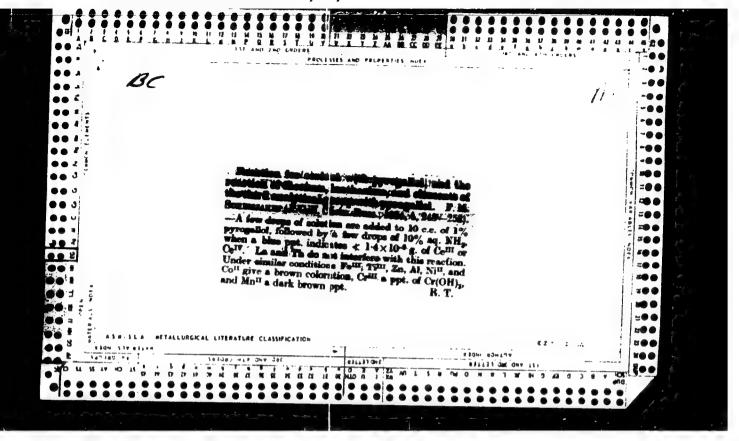


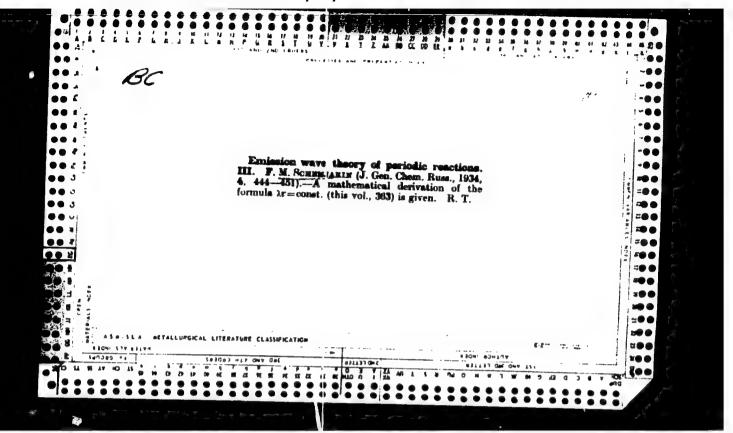


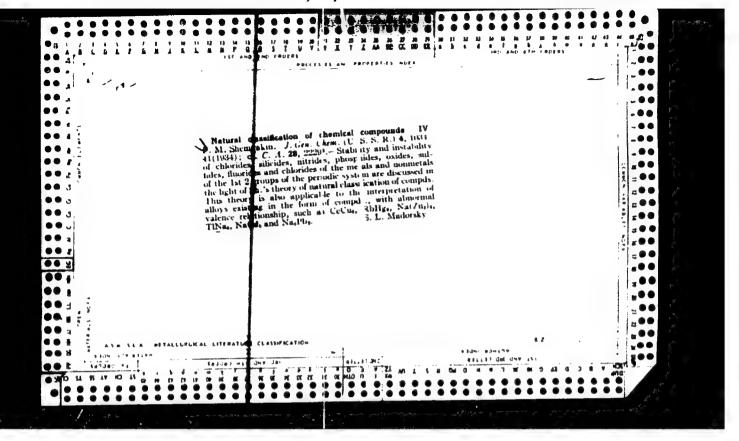


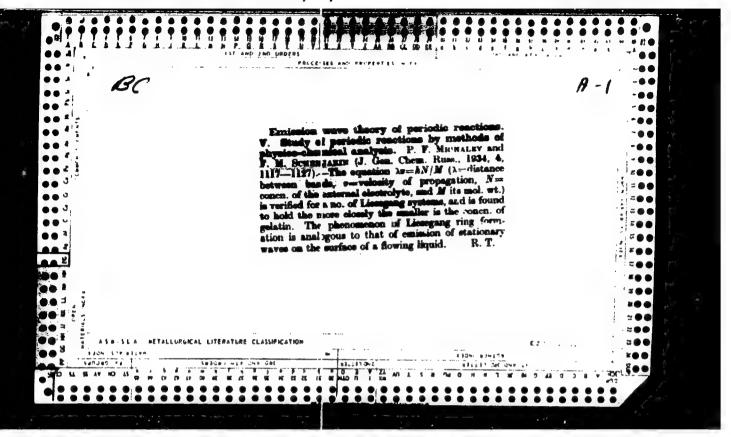


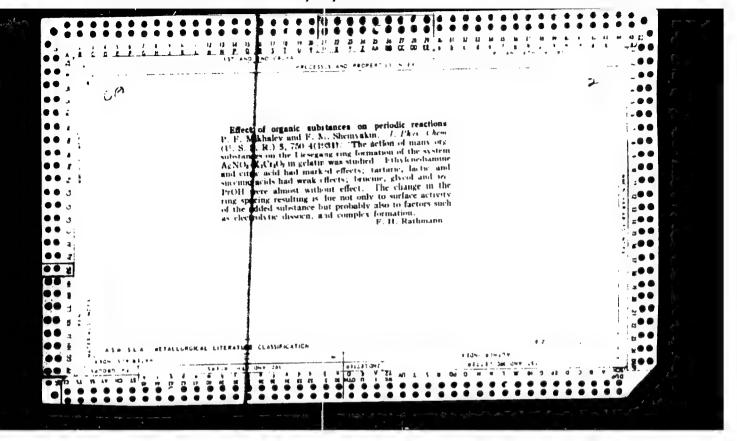


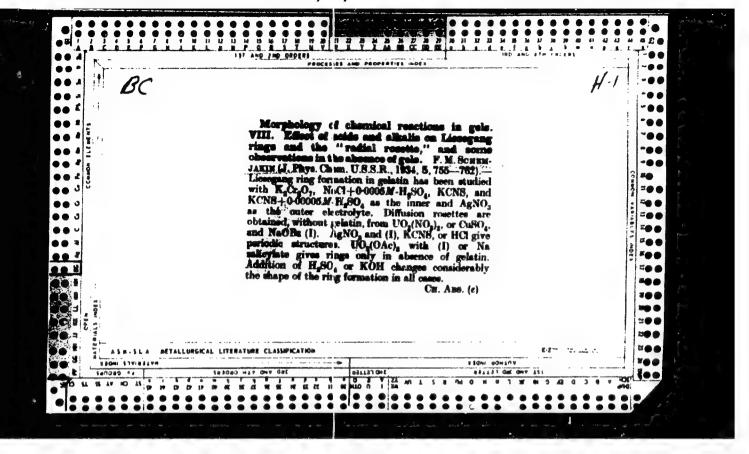


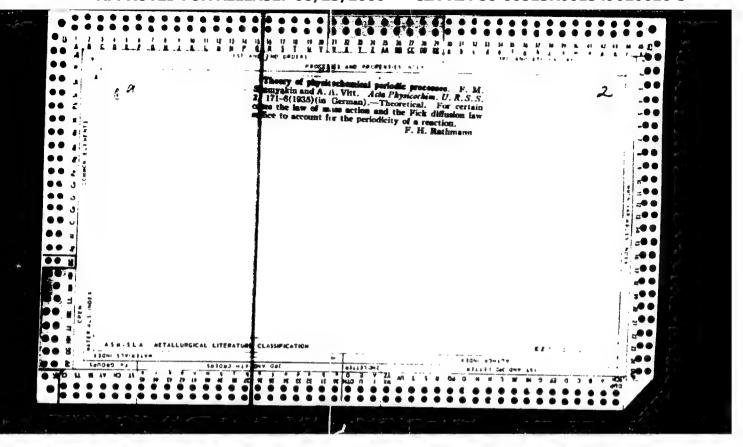


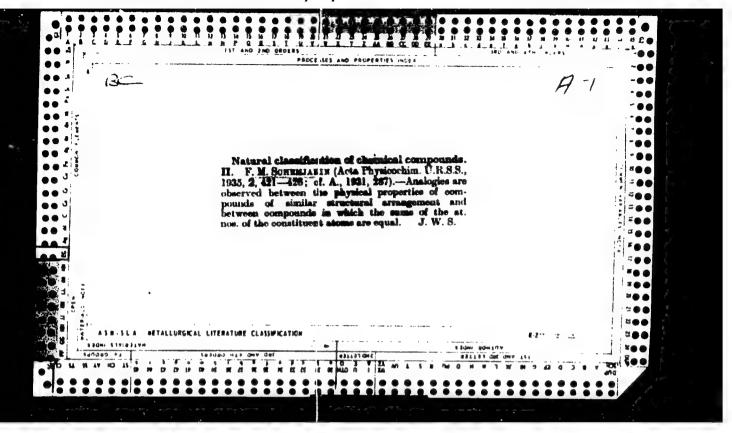


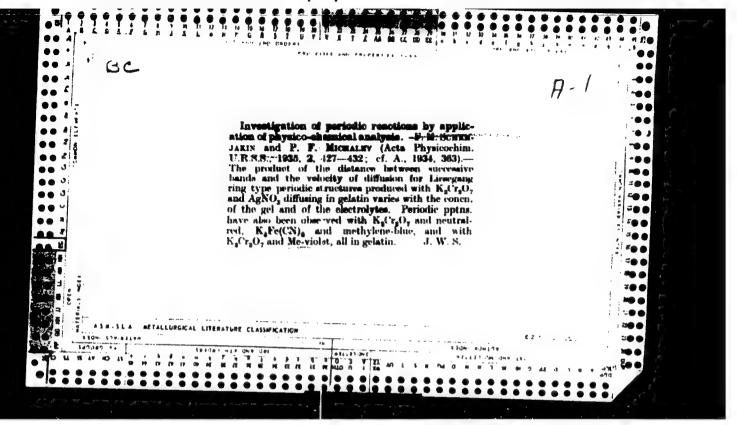


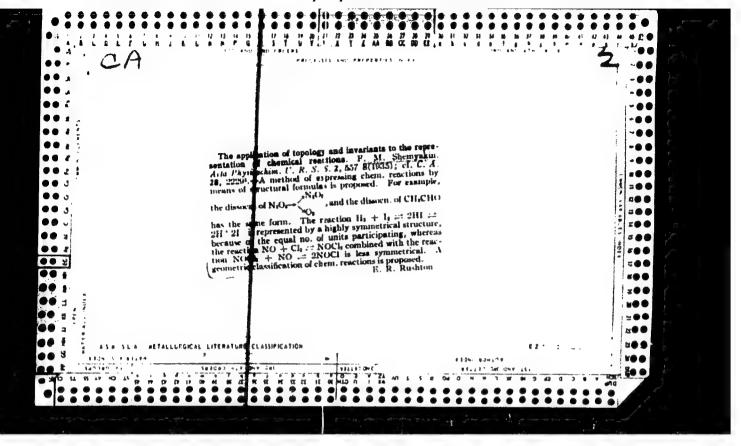


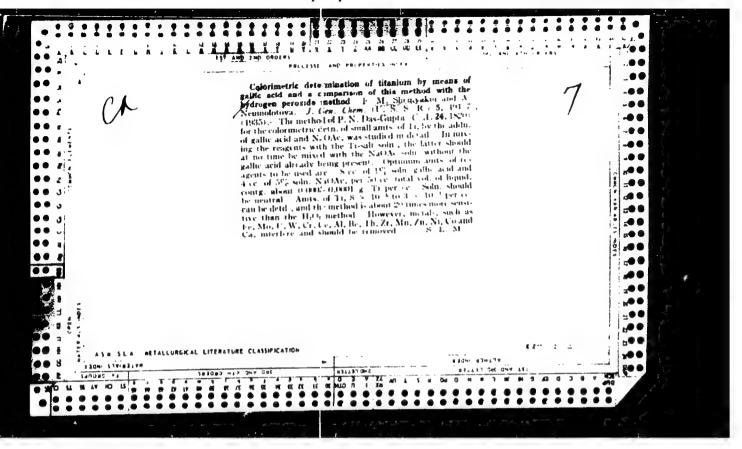


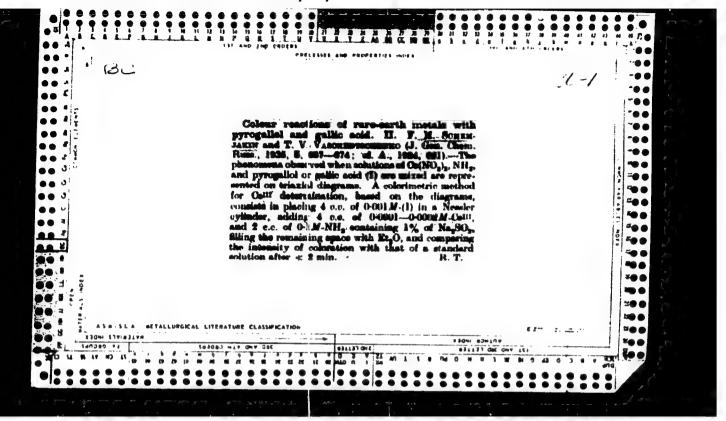


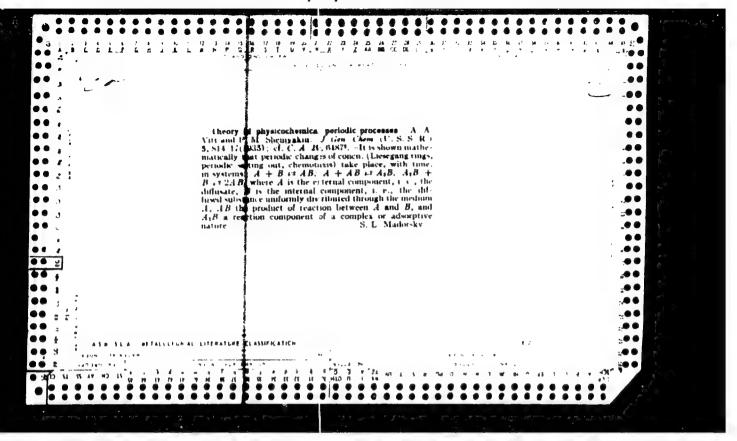


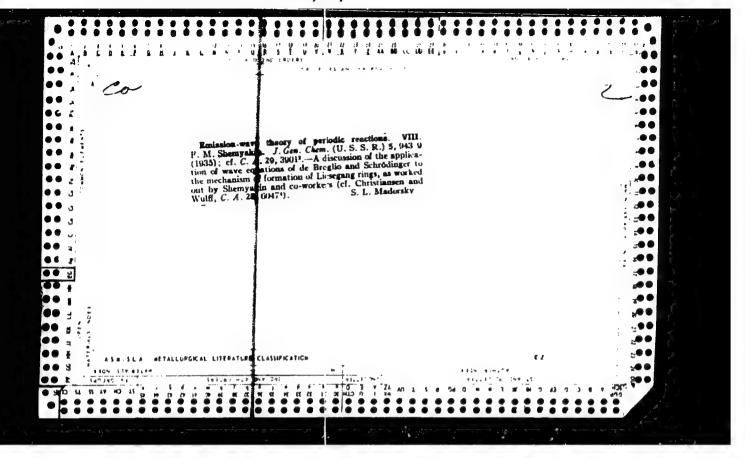


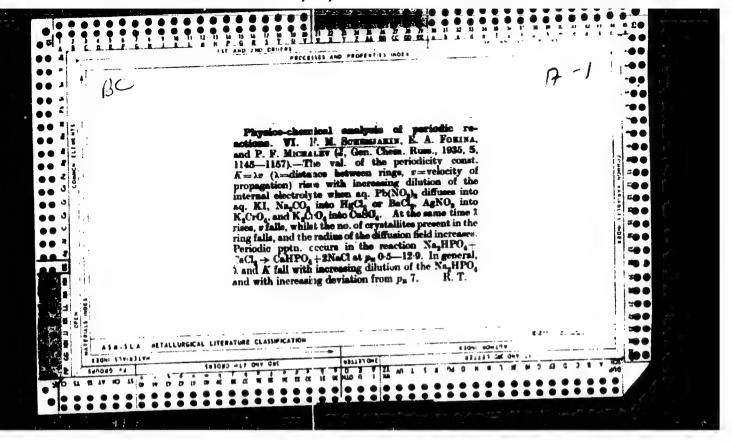


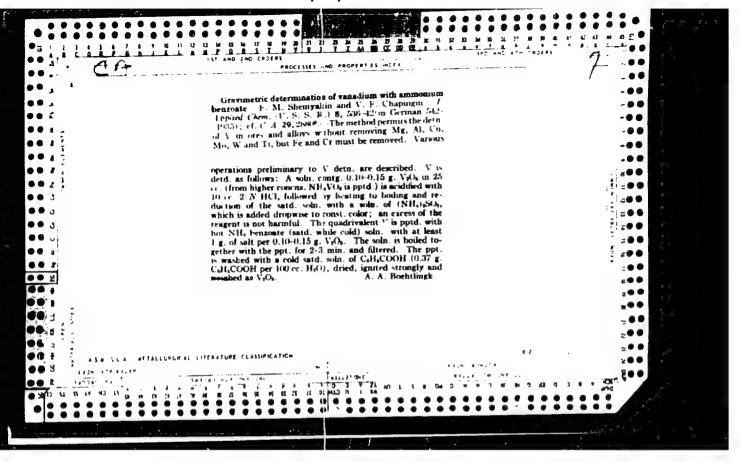


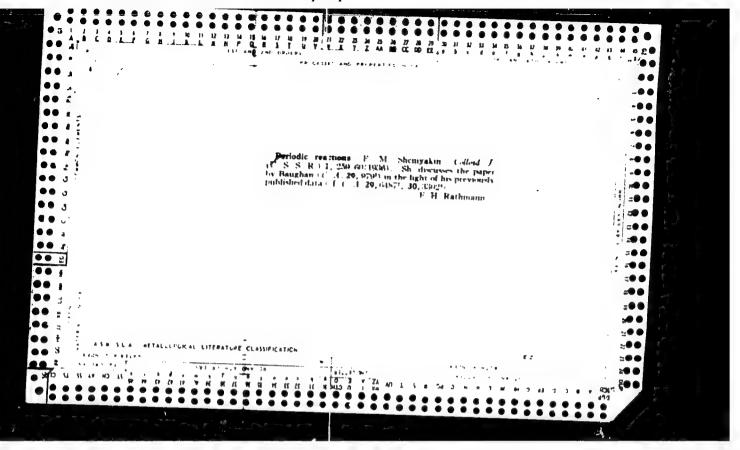


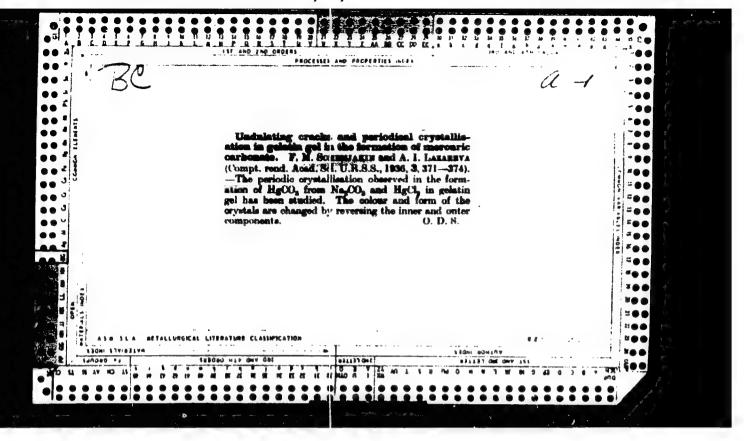


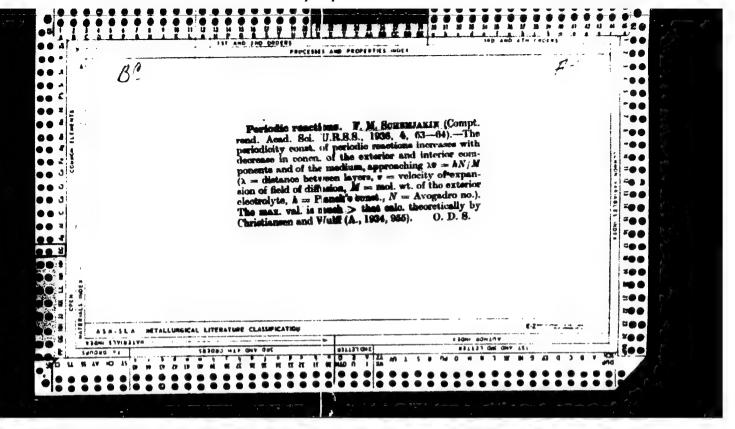


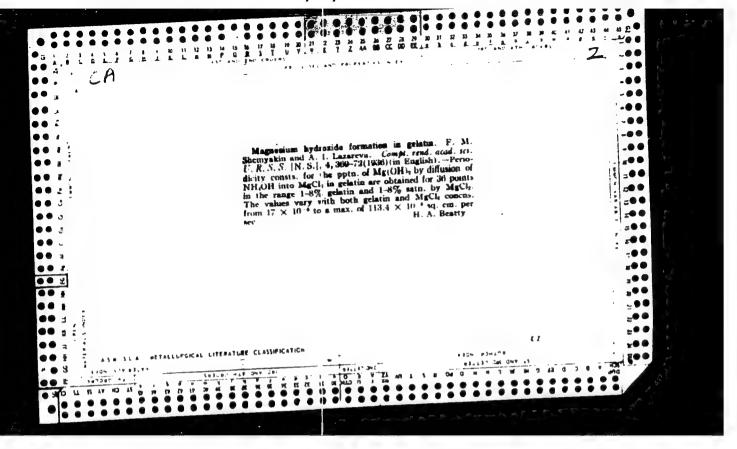


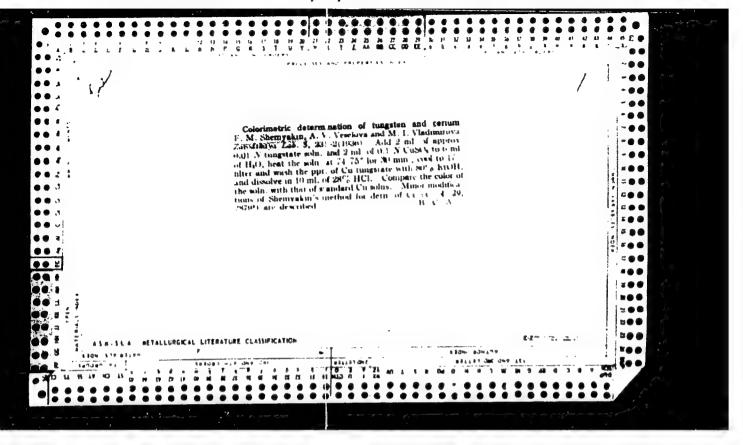


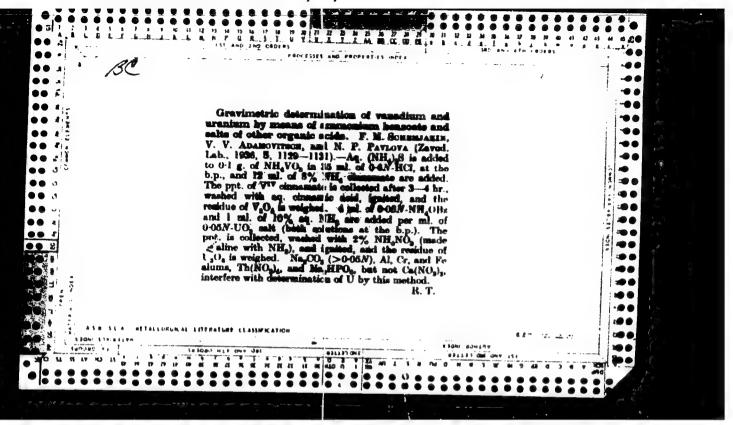


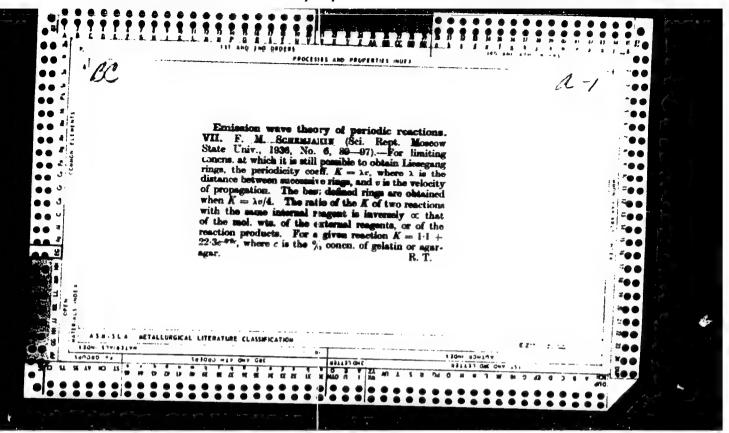


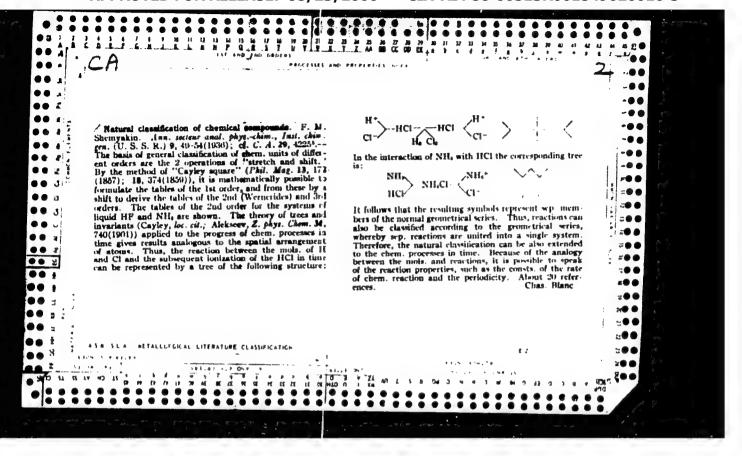


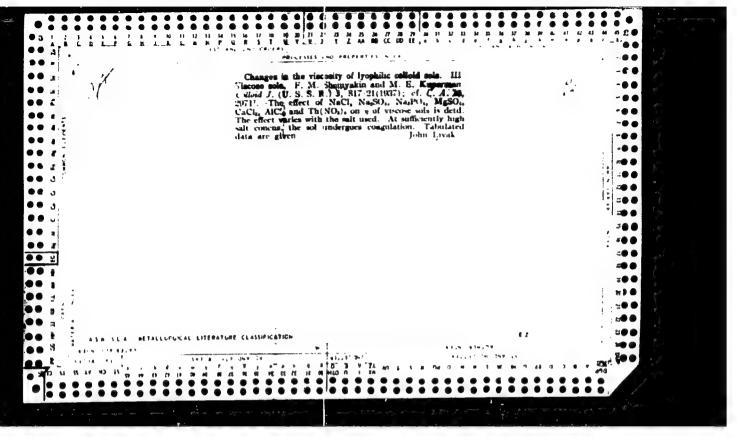


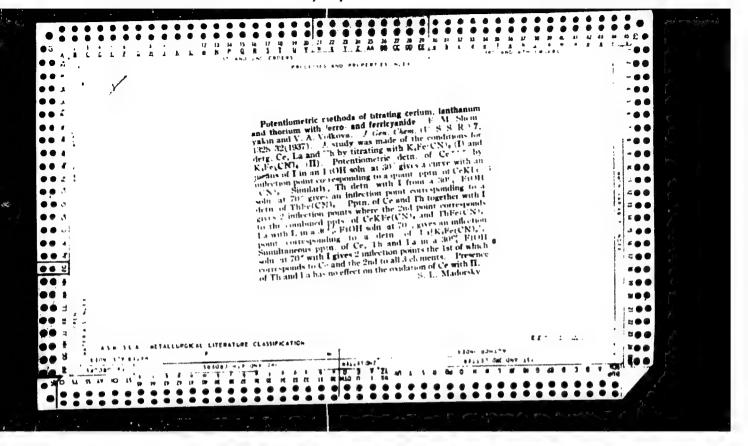


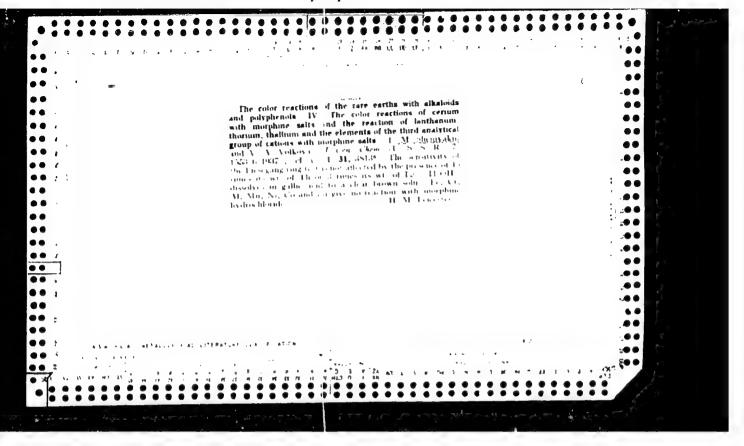


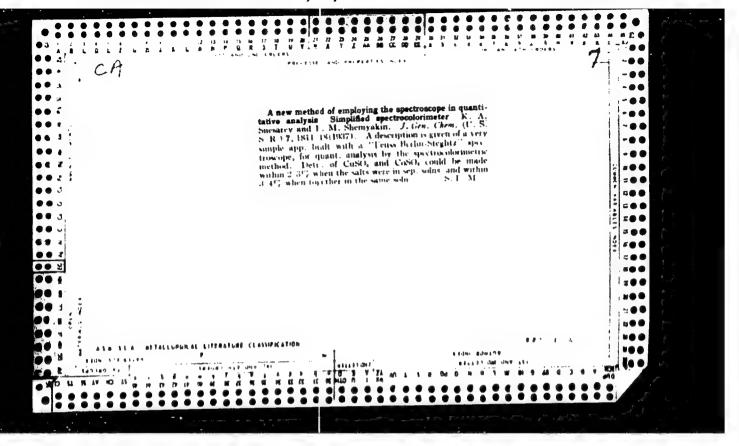


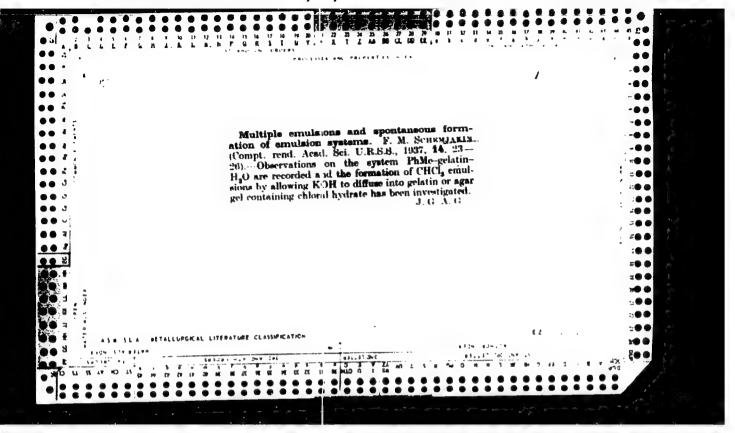


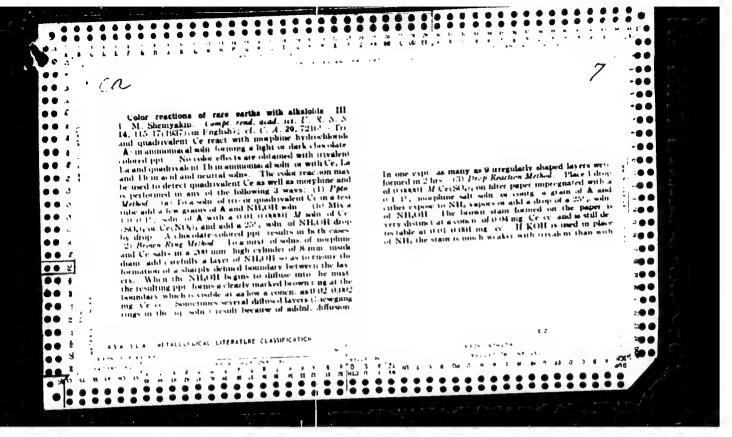




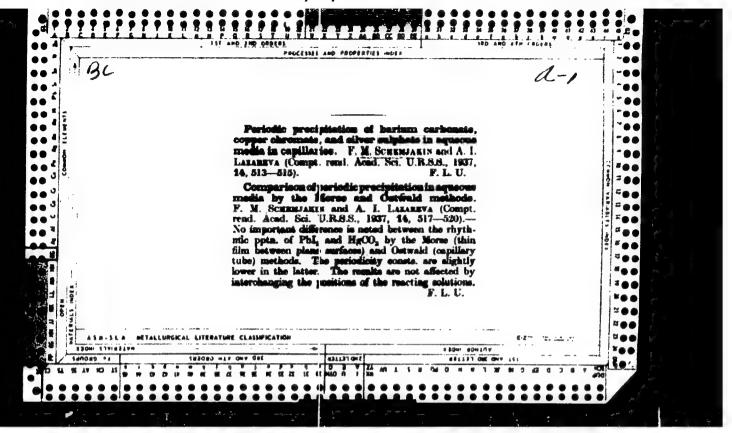


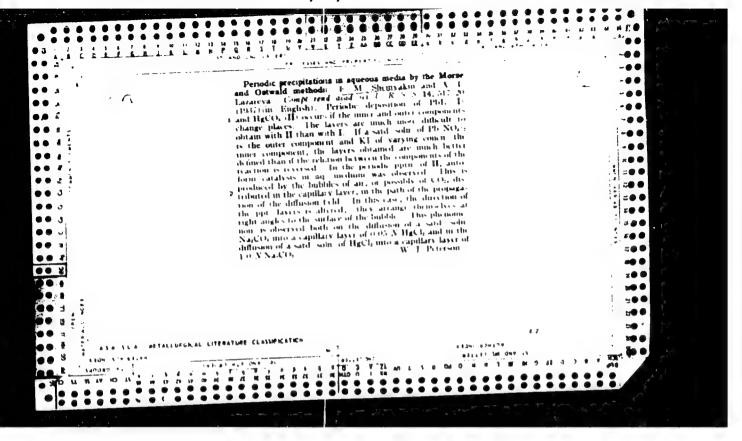


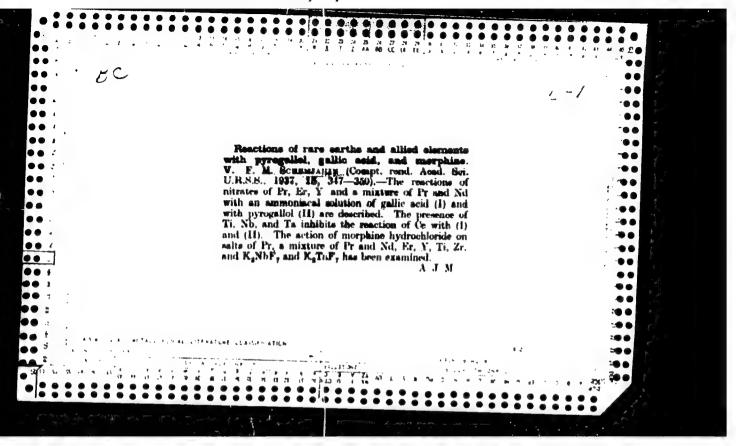


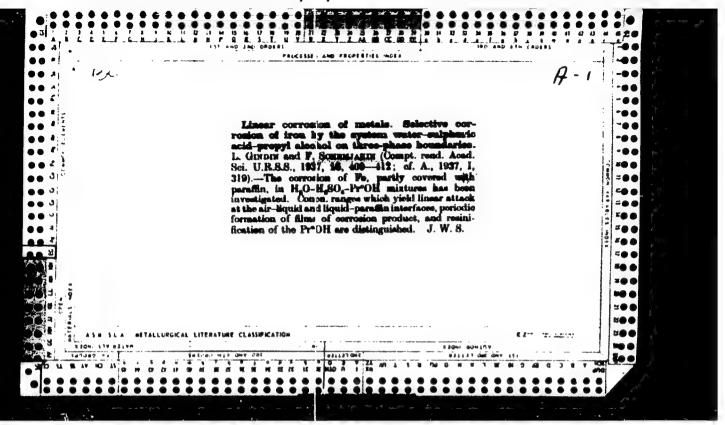


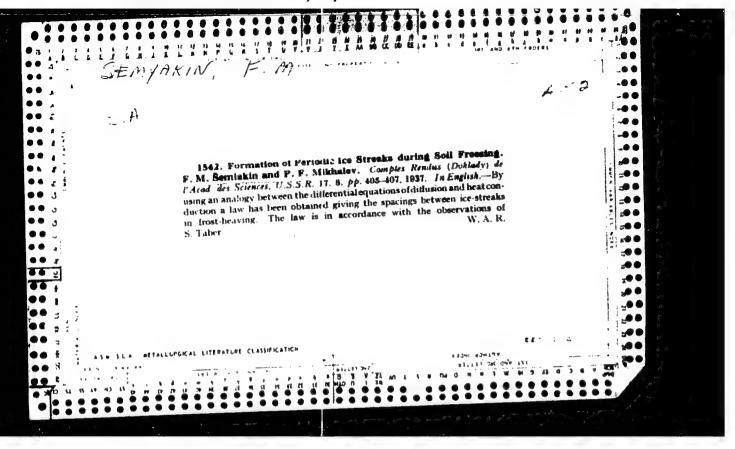


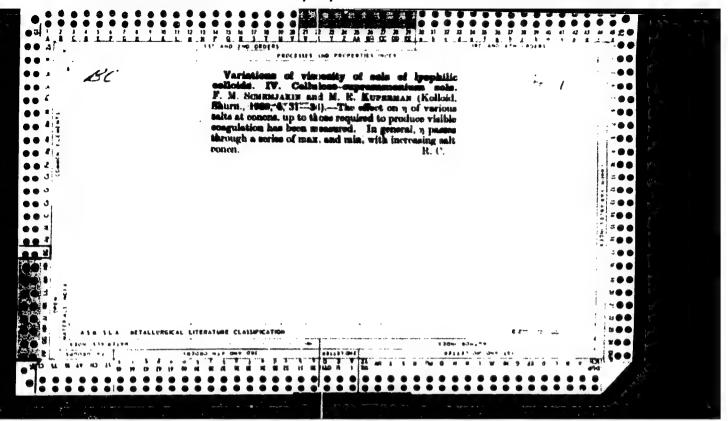


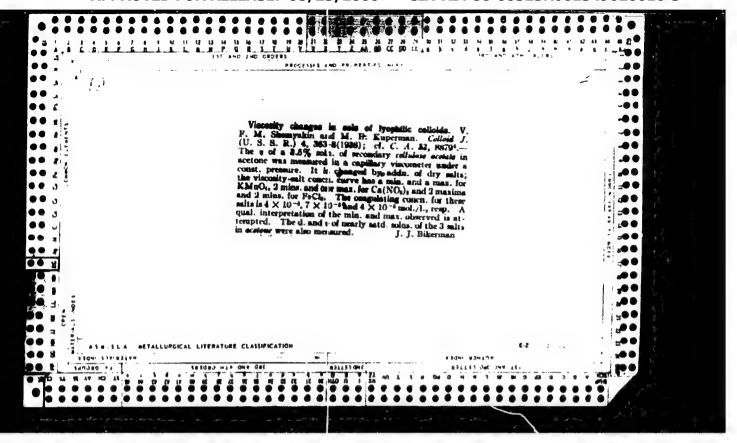


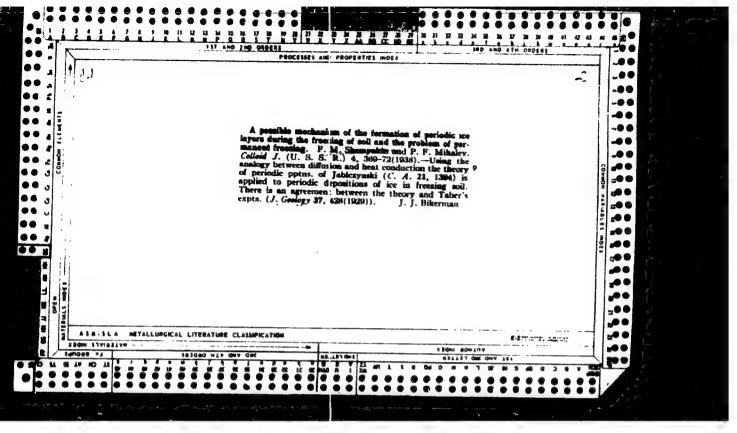


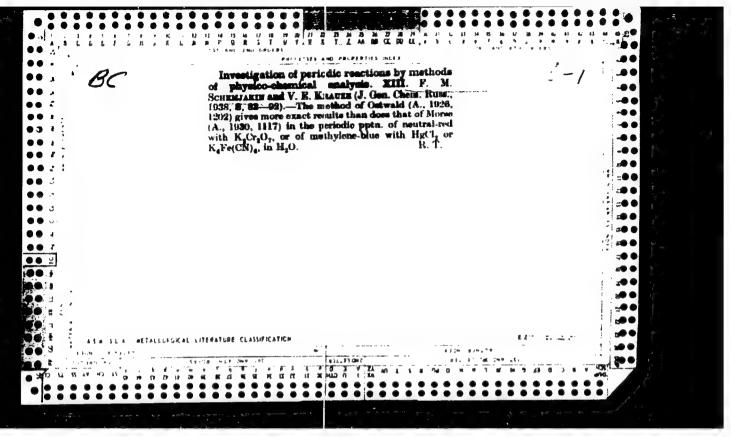


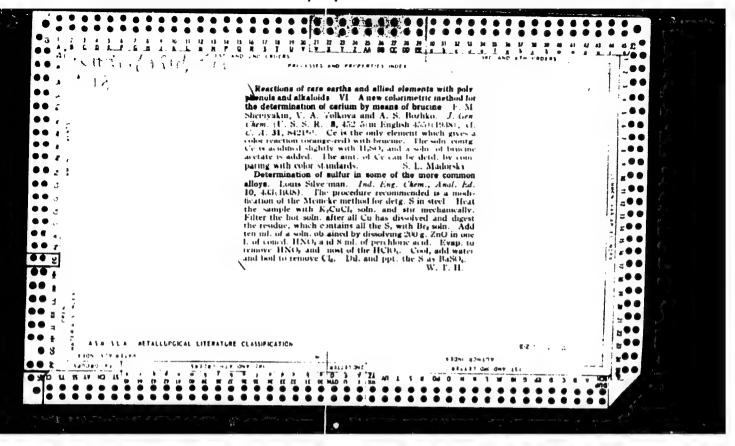


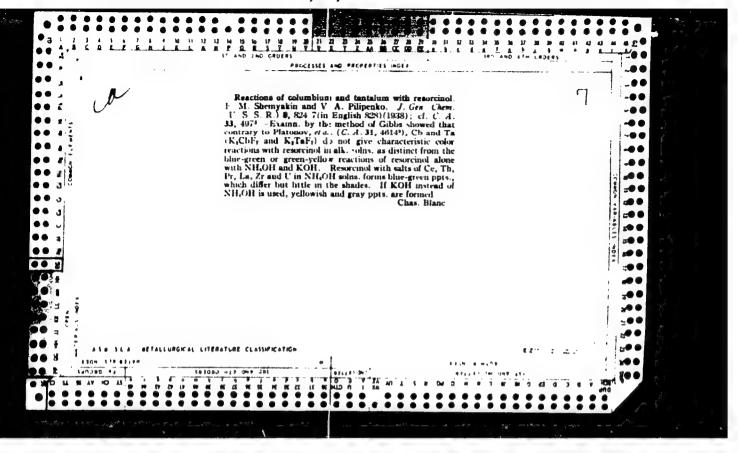


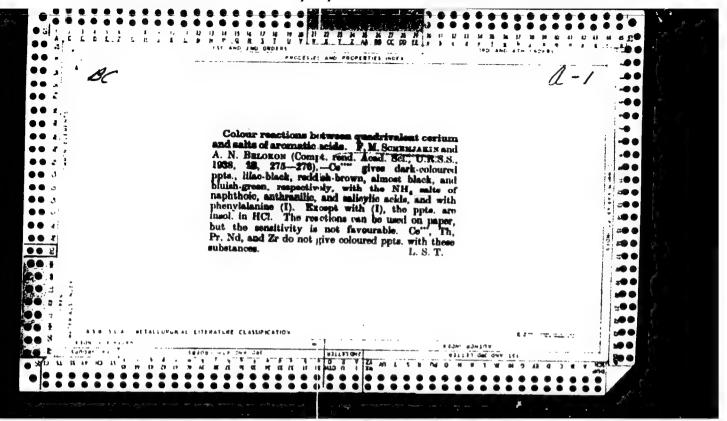


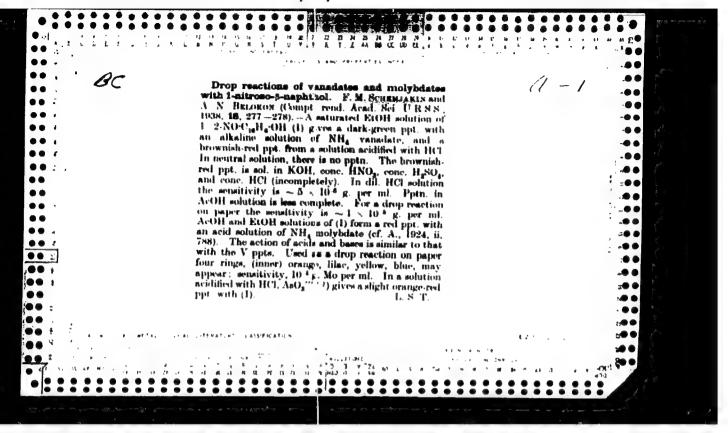


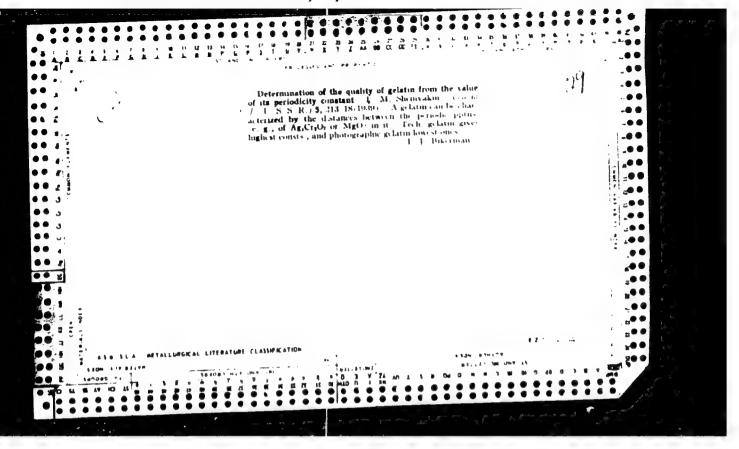


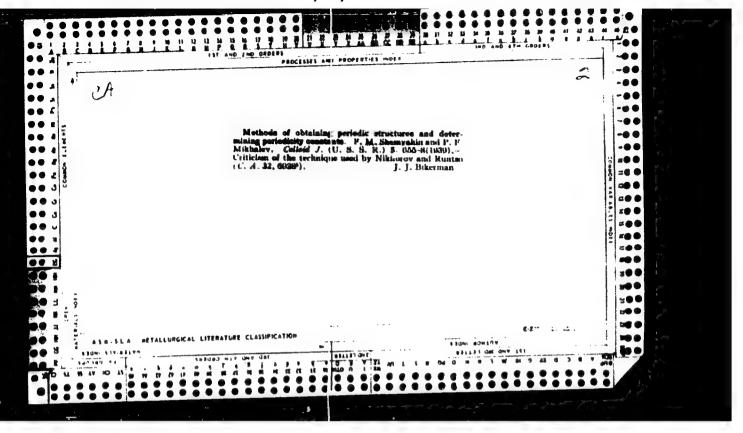


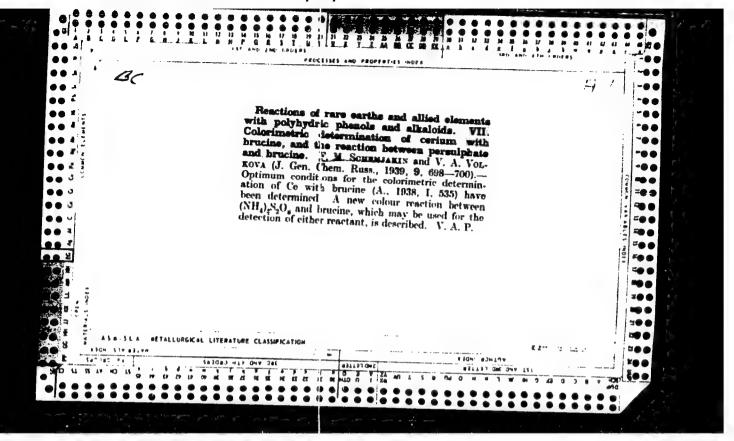


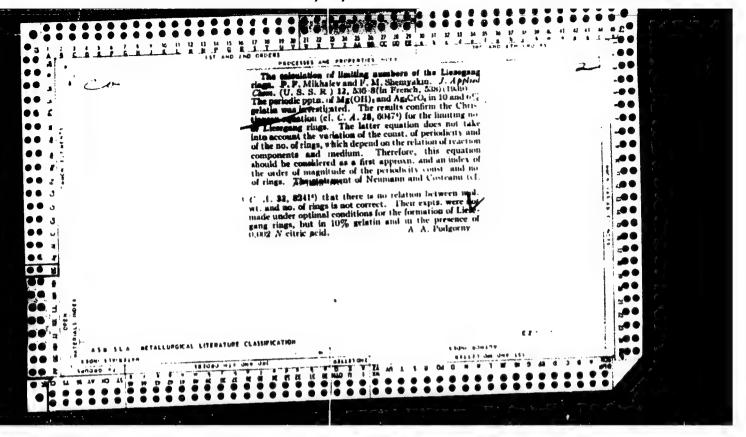


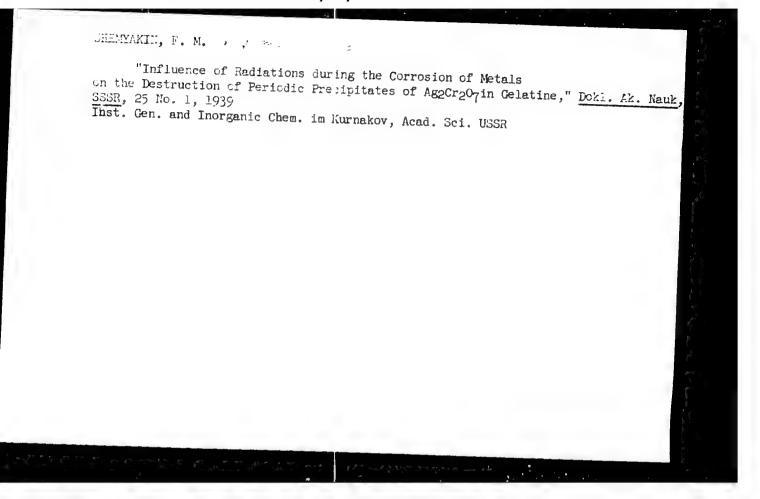


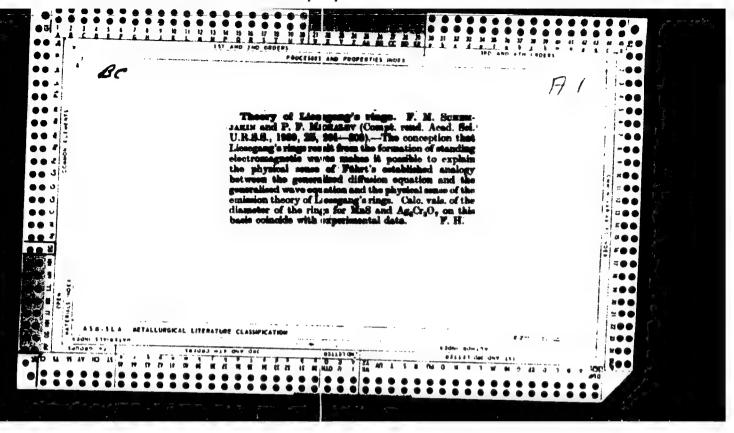


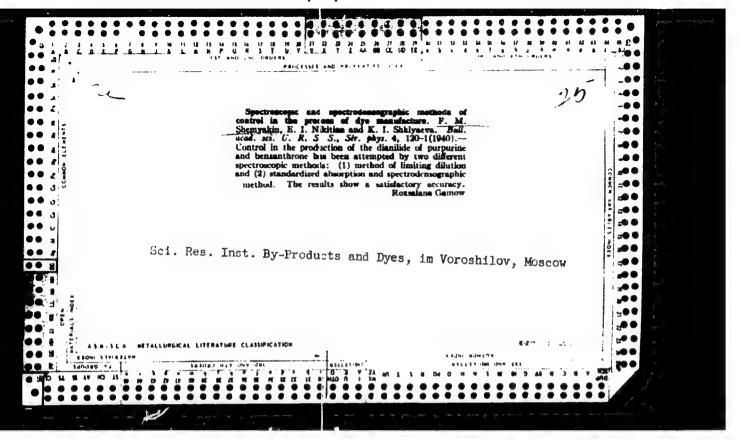


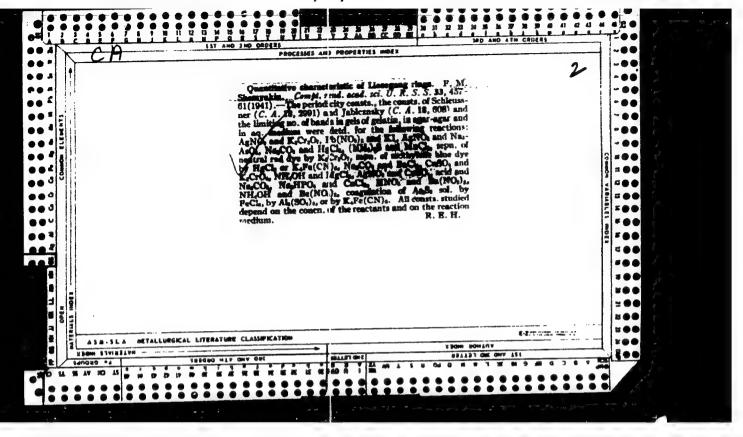


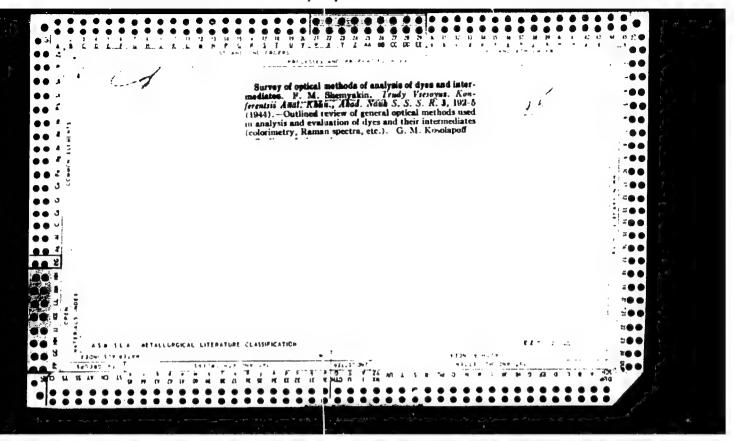












"APPROVED FOR RELEASE: 08/23/2000

U. E/Chemistry - Ions - Transfer Chemistry - Chromatography - Adsorption

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"Chromatographic Transfer Adsorption of Lons," T. B. Gapon, Ye. R. Gapon, F. M. Chemyakin, Toscow Agricultural Adacery imeni K. A. Timiryanev, 3 pp

"lok Ak liauk" Vol LVIII, No h

Theory of Transfer a sorption of ions has been worked out sufficiently. But ors discuss the isotherm equation for the transfer of two ions. It was developed by one of the aut ors and has the form:

 $\frac{S_1}{S_2} = \frac{a_1}{R_{12}} \frac{s_1}{a_2}$ where S_1 , S_2 - are the amounts of adsorbed ions, a_1 , a_2 - the activity of the ions in the solution, and s_1 , s_2 - the valencies of the ions. Substitted a cademician S_1 and S_2 - the valencies of the ions.

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